JVC

KD-R710

CD RECEIVER : INSTRUCTIONS

Detachable

Amplifier Power Standard CEA-2006 Compliant

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

Bluetooth® MP3 WMA

COMPACT disc DIGITAL AUDIO TEXT

Made for iPod

Works with iPhone

For customer Use:
Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.
Model No. _____
Serial No. _____

1209DTSMDTJEIN
EN
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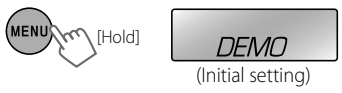
GET0647-001B
[J]

Canceling the display demonstration

1 Turn on the power.

2



(Initial setting)

3

4 Select <DEMO OFF>.

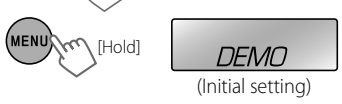
5

6 Finish the procedure.

Setting the clock

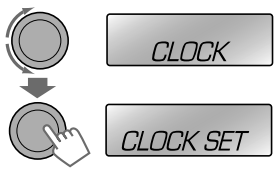
1 Turn on the power.

2



(Initial setting)

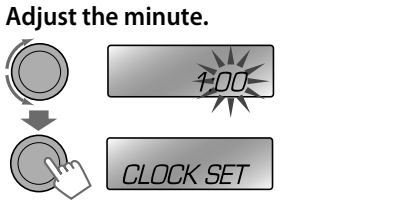
3 Select <CLOCK>.



4 Select <CLOCK SET>.

5 Adjust the hour.

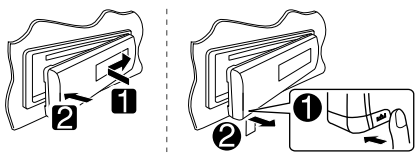
6 Adjust the minute.



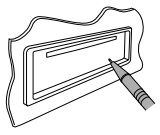
7 Finish the procedure.

Preparations

How to attach/detach the control panel

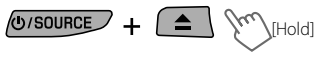


How to reset your unit



Reset the unit after installation is completed.
- Your preset adjustments will also be erased (except the registered Bluetooth device, see page 3).

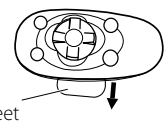
How to forcibly eject a disc



- You can forcibly eject the loaded disc even if the disc is locked. To lock/unlock the disc, see page 2.
- Be careful not to drop the disc when it ejects.
- If this does not work, reset your unit.

Preparing the remote controller (RM-RK50)

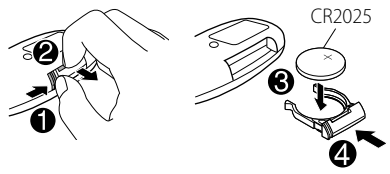
When you use the remote controller for the first time, pull out the insulation sheet.



Insulation sheet

If the effectiveness of the remote controller decreases, replace the battery.

Replacing the lithium coin battery



For USA-California Only:
This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate

Caution:

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

Warning (about battery handling)

To prevent accidents and damage:
- Do not install any battery other than CR2025 or its equivalent.
- Store out of reach of children.
- Do not recharge, short, or dismantle.
- Do not dispose of in fire.
- Do not carry around with other metallic materials.
- Wrap the battery with tape and insulate when throwing away or saving it.

INFORMATION (For U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

Caution:

Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

IMPORTANT FOR LASER PRODUCTS

1.CLASS 1 LASER PRODUCT
2.**CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3.**CAUTION:** (For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam.
(For Canada) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4.REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視及び/または不可視のクラス1M レーザー放射が出ます。光学機器で直接見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG)

[European Union only]

Warning:

If you need to operate the unit while driving, be sure to look around carefully or you may be involved in a traffic accident.

Caution on volume setting:

Digital devices (CD/USB) produce very little noise compared with other sources. Lower the volume before playing these digital sources to avoid damaging the speakers by the sudden increase of the output level.

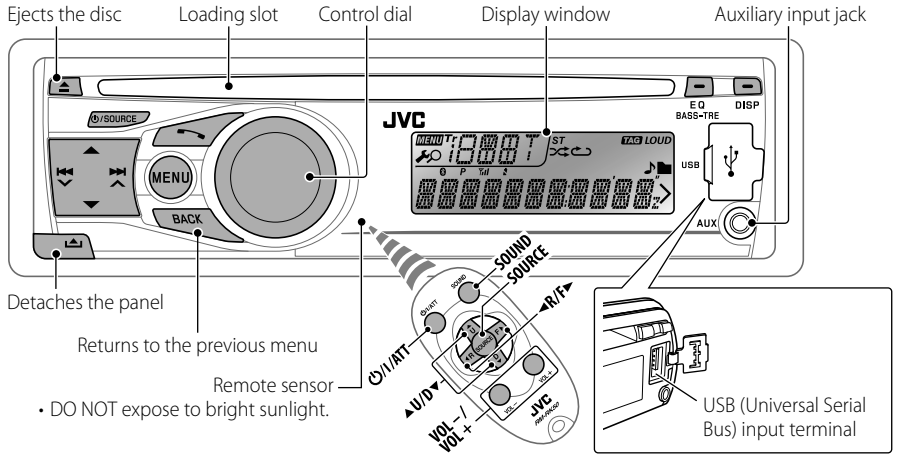
For safety...

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

Basic operations



When you press or hold the following button(s)...

Main unit	Remote controller	General operations
/SOURCE	I/ATT	Turns on. • When the power is on, pressing **I/ATT** on the remote controller also mutes the sound or pauses. Press **I/ATT** again to cancel muting or resume playback.
		Turns off if pressed and held.
	SOURCE	Selects the available sources (if the power is turned on). • If the source is ready, playback also starts.
	VOL – VOL +	Adjusts the volume level. • Selects item if turn the control dial on the main unit.
	—	• Mutes the sound while listening to a source. If the source is "CD," "USB FRONT/USB REAR," or "IPOD-FRONT/IPOD-REAR," playback pauses. Press the control dial again to cancel muting or resume playback. • Enters playback mode menu directly if pressed and held. • Confirms selection.
EQ BASS-TRE	SOUND	Selects the sound mode. • Enters tone level adjustment directly (see page 4) if pressed and held **EQ BASS-TRE** on the main unit.
	—	• Enters "Call Menu" screen or answers incoming call when the unit rings. • Ends a call if pressed and held.
DISP	—	**Power off :** Checks the current clock time. **Power on :** Changes the display information.

For Bluetooth operations, see pages 2 to 4.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- "Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- iPhone is a trademark of Apple Inc.
- The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Victor Company of Japan, Limited (JVC) is under license. Other trademarks and trade names are those of their respective owners.

Listening to the radio

1 ⏻/SOURCE ⇨ "FM" or "AM"

2 ⏮ ⏭ "ST" lights up when receiving an FM stereo broadcast with sufficient signal strength.
- Hold either one of the buttons until "M" flashes, then press it repeatedly to manually search for station.

When an FM stereo broadcast is hard to receive

1 MENU [Hold]

2 ⇨ <TUNER> ⇨ <MONO> ⇨ <MONO ON>
Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure to select <MONO OFF>.

Automatic presetting (FM)—SSM (Strong-station Sequential Memory)

You can preset up to 18 stations for FM.

While listening to a station...

1 MENU [Hold]

2 ⇨ <TUNER> ⇨ <SSM> ⇨ <SSM 01 – 06> / <SSM 07 – 12> / <SSM 13 – 18>
"SSM" flashes and local stations with the strongest signals are searched and stored automatically.

To preset another 6 stations, repeat the above procedure by selecting one of the other 6 SSM setting ranges.

Manual presetting (FM/AM)

You can preset up to 18 stations for FM and 6 stations for AM.

Ex.: Storing FM station of 92.50 MHz into preset number "04."

1 ⏮ ⏭ ⇨ "92.50MHz"

2 [Hold] "PRESET MODE" flashes.

3 ⇨ Selects preset number "04."
"P04" flashes and "MEMORY" appears.

Selecting a preset station

1 MENU

or

2

Assigning title to a station

You can assign titles to 30 station frequencies (FM and AM) using 8 characters (maximum) for each title.
- If you try to assign titles to more than 30 station frequencies, "NAME FULL" appears. Delete unwanted titles before assignment.

1 ⏻/SOURCE ⇨ "FM" or "AM"

2 DISP + [Hold] ⇨ Show the title entry screen.

3 ⇨ Selects a character (A to Z, 0 to 9, —, /, <, > or space).

4 ⏮ ⏭ ⇨ Move to the next (or previous) character position.

5 Repeat steps **3** and **4** until you finish entering the title.

6

To erase the entire title, press and hold **DISP** after step **2**, then press the control dial.

Changing the display information

DISP **Station name** * → **Frequency** → **Clock** → (back to the beginning)

** If no title is assigned to a station, "NO NAME" appears for a few seconds.*

Using the remote controller

▲U/D▼	Changes the preset stations
◄R/F►	Searches for stations

	Selects folder of the MP3/WMA
⏮ ⏭	Selects track
⏮ ⏭ [Hold]	Fast-forwards or reverses the track

Using the remote controller

▲U/D▼	Selects folder of the MP3/WMA
◄R/F►	Selects track
◄R/F► [Hold]	Fast-forwards or reverses the track

Changing the display information

DISP

Disc title/Album name/performer (folder name)* → **Track title (file name)*** → **Current track number with the elapsed playing time** → **Current track number with the clock time** → (back to the beginning)

** If the current disc is an audio CD (except for CD Text), "NO NAME" appears.*
If an MP3/WMA file does not have Tag information or <TAG DISPLAY> is set to <TAG OFF> (see page 5), folder name and file name appear.

MP3/WMA : You can also use search menu (A to Z, 0 to 9, and OTHERS) to scroll through the list menu. (See page 4.)

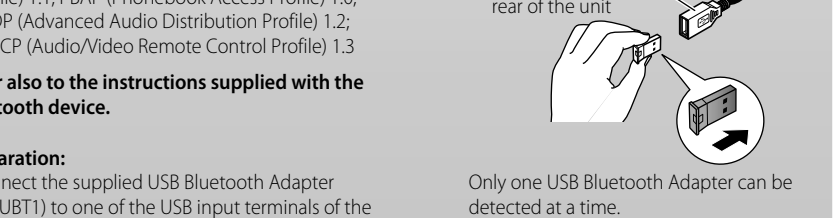
Listening to the USB device

This unit is equipped with two USB input terminals (on the control panel and USB cable from the rear of the unit). You can use these two terminals at the same time.
- You can also connect a USB Bluetooth Adapter, KS-UBT1 (supplied) and/or an Apple iPod/iPhone to the USB input terminal(s). For details of the operations, see the following.

This unit can play MP3/WMA/WAV tracks stored in a USB mass storage class device (such as a USB memory, Digital Audio Player, etc.).

1 ⏻/SOURCE ⇨ Turn on the power.

2 USB input terminal, USB memory, USB cable from the rear of the unit



All tracks will be played repeatedly until you change the source or detach the USB device.

If you have turned off the power (without detaching the USB device)...

Pressing ⏻/**SOURCE** turns on the power and playback starts from where it has been stopped previously.
- If a different USB device is currently attached, playback starts from the beginning.

Stopping playback and detaching the USB device

Straightly pull it out from the unit.
"NO USB" appears. Press ⏻/**SOURCE** to listen to another playback source.

You can operate the USB device in the same way you operate the files on a disc.
- You can listen to WAV files by following the MP3/WMA file operations listed on "Listening to the disc."

Cautions:

- Avoid using the USB device if it might hinder your safety driving.
- Do not start the car engine if a USB device is connected.
- While "READING" is shown on the display:
  - –Do not pull out and attach the USB device repeatedly.
  - –Do not pull out or attach another USB device.
- This unit may not be able to play the files depending on the type of USB device.
- Operation and power supply may not work as intended for some USB devices.
- You cannot connect a computer to the USB input terminal of the unit.
- Make sure all important data has been backed up to avoid losing the data.
- Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device then reset this unit and the USB device.
- Do not leave a USB device in the car, expose to direct sunlight, or high temperature to avoid deformation or cause damages to the device.
- Some USB devices may not work immediately after you turn on the power.
- The detect time and response time may be very long for some USB devices (such as Digital Audio Player, etc.).
- For more details about USB operations, see page 5.

Listening to the disc

1 ⏻/SOURCE ⇨ Turn on the power.

2

All tracks will be played repeatedly until you change the source or eject the disc.

Stopping playback and ejecting the disc

⏏ "NO DISC" appears.
Remove the disc, then press ⏻/**SOURCE** to listen to another playback source.

Prohibiting disc ejection

+ ⏏ [Hold]

To cancel the prohibition, repeat the same procedure.

Selecting a folder/track on the list

MENU

For MP3/WMA discs, select the desired folder, then the desired track by repeating the above control dial procedure.
- If the MP3/WMA disc contains many tracks, you can fast search (±10, ±100, ±1000) through the disc by turning the control dial quickly.
- To return to the previous menu, press **BACK**.

Selecting the playback modes

You can use only one of the following playback modes at a time.

1 [Hold]

2 ⇨ "REPEAT" ⇔ "RANDOM"

3

REPEAT
TRACK RPT : Repeats current track
FOLDER RPT : Repeats current folder
RANDOM
FOLDER RND : Randomly plays all tracks of current folder, then tracks of next folders
ALL RND : Randomly plays all tracks

To cancel repeat play or random play, select "RPT OFF" or "RND OFF."

Using the Bluetooth® device

Bluetooth®

Bluetooth is a short-range wireless radio communication technology for the mobile device such as mobile phones, portable PCs, and other devices. The Bluetooth devices can be connected without cables and communicate with each other.
- Refer to the Installation/Connection Manual (separate manual) to check the countries where you may use the Bluetooth® function.

Bluetooth profile

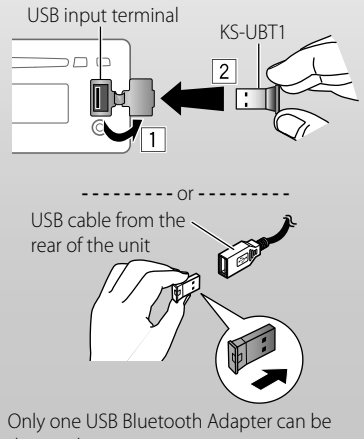
This unit supports the following Bluetooth profiles; HFP (Hands-Free Profile) 1.5; OPP (Object Push Profile) 1.1; PBAP (Phonebook Access Profile) 1.0; A2DP (Advanced Audio Distribution Profile) 1.2; AVRCP (Audio/Video Remote Control Profile) 1.3

Refer also to the instructions supplied with the Bluetooth device.

Preparation:
- Connect the supplied USB Bluetooth Adapter (KS-UBT1) to one of the USB input terminals of the unit.
- Operate the device to turn on its Bluetooth function.

1 ⏻/SOURCE ⇨ Turn on the power.

2 USB input terminal, KS-UBT1



Only one USB Bluetooth Adapter can be detected at a time.

Pairing a device

When you connect a Bluetooth device to the unit for the first time, make pairing between the unit and the device.
- Once the connection is established, it is registered in the unit even if you reset the unit. Up to five devices can be registered in total.
- Only one device for Bluetooth phone and one for Bluetooth audio can be connected at a time.

1 [MENU] [Hold]

2

⇨ <BLUETOOTH> ⇨ <NEW PAIRING>

3

⇨ Enter a PIN (Personal Identification Number) code in to the unit.
You can enter any number you like (1-digit to 16-digit number). [Initial: 0000]
• Some devices have their own PIN code. Enter the specified PIN code in to the unit.

4 Repeat step **3** until you have finished entering the PIN code.

5

⇨ Confirm the entry.
"SEARCH NOW" and "USING PHONE" appear alternately on the display.

6 Use the Bluetooth device to search.
On the device to be connected, enter the same PIN code you have just entered for this unit.
"PAIRING OK" and "[Device Name]" appear alternately when the pairing is established.
appears when Bluetooth connection is established.

7 Use the Bluetooth device to connect* when "CONNECT NOW" and "USING PHONE" alternate on the display.
• Refer to the table below for connectivity results shown on the display.
** Operations may be different according to the connected device.*

Display result	Hands-Free Call	Audio Streaming
CONNECT OK ⬌ [Device Name]	O	O
H.FREE OK ⬌ [Device Name]	O	—
A. STREAM OK ⬌ [Device Name]	—	O
CONNCT FAIL ⬌ TRY CONNECT	—	—

The device remains registered even after you disconnect the device. Use <CONNECT PH> or <CONNECT AU> (or activate <AUTO CNNCT>, see "Changing the Bluetooth setting") to connect the same device from next time on.

Deleting a registered device

1 [MENU] [Hold]

2

⇨ <BLUETOOTH> ⇨ <DELETE PAIR>

3

⇨ Select a device you want to delete.

4

⇨ Select <DELETE YES> to confirm.
"DELETED" appears when the device is deleted.
• If <DELETE NO> is selected, the unit returns to step **3** above.

Connecting/disconnecting a registered device

1 [MENU] [Hold]

2

⇨ <BLUETOOTH> ⇨ <CONNECT PH/CONNECT AU> or <DISCONNT PH/DISCONNT AU>
• For connecting a device, go to step **3**.
• For disconnecting a device, "DISCONNECT" and "[Device Name]" appear alternately on the display when the device is disconnected.

3

⇨ Select a device you want to connect.
• "CONNECTING" and "[Device Name]" appear alternately, then "CONNECTED" and "[Device Name]" appear alternately on the display when the device is connected.

Using a Bluetooth mobile phone

Making a call

1

⇨ Enter "Call Menu" screen.

2

⇨ Select the method to make a call.
• **DIALED***1: Shows the list of the phone numbers you have dialed. Go to the following step.
• **RECEIVED***1: Shows the list of the received calls. Go to the following step.
• **MISSED CALL***1: Shows the list of the missed calls. Go to the following step.
• **PHONEBOOK***2: Shows the name/phone number of the phonebook*3. Go to the following step.
–To copy the phonebook memory, see <P. BOOK WAIT> in "Changing the Bluetooth setting."
–If the phonebook contains many numbers, you can fast search (±10, ±100, ±1000 numbers) through the phonebook by turning the control dial quickly.
–To search through the phonebook, see page 4.
• **DIAL NUMBER**: Shows the "Dial Number" screen. See "How to enter phone number" on the following.
• **VOICE DIAL** (only accessible when the connected mobile phone has the voice recognition system): Speak the name (registered words) you want to call when "SAY NAME" appears*4,*5.

*1 *"NO HISTORY" appears if there is no history stored.*
*2 *"NO DATA" or "SEND P. BOOK" ⬌ "MANUALLY" appears depending on the <P. BOOK SEL> settings.*
*3 *Depends on the <P. BOOK SEL> settings.*
*4 *Operations may be different according to the connected device.*
*5 *"NOT SUPPORT" appears if the connected phone does not support this feature.*

3

⇨ Select the name/phone number you want to call.
• When the sound is stopped or interrupted during the use of a Bluetooth device, turn off, then turn on the unit.
–If the sound is not yet restored, connect the device again using <CONNECT PH>.

How to enter phone number

1 Turn the control dial to select a number.

0	1	2	3	4	5	6	7	8	9	#	*	+
0	1	2	3	4	5	6	7	8	9	#	*	+

2 Press ⏮/⏭ to move the entry position.
3 Repeat steps 1 and 2 until you finish entering the phone number.
4 Press the control dial to confirm the entry.

How to delete name/phone number

Only when <PB IN UNIT> is selected for <P. BOOK SEL>, see "Changing the Bluetooth settings."
1 Press to enter "Call Menu" screen.
2 Display the list of name/phone numbers using one of the dialing method (see step **2** of "Making a call").
3 Turn the control dial to select the name/phone number you want to delete.
4 Press and hold **BACK** to enter the "Delete Entries" screen.
5 Turn the control dial to select "DELETE" or "DELETE ALL."
• If "DELETE" is selected, the selected name/phone number in step 3 is deleted.
• If "DELETE ALL" is selected, the listed numbers in step 2 selection are deleted.
6 Press the control dial to confirm.

Receiving a call

When a call comes in, the source is automatically changed to "BT FRONT/BT REAR."
"RECEIVING" appears for a while, then the phone number or name appears on the display.

When <AUTO ANSWER> is activated....
The unit answers the incoming calls automatically, see "Changing the Bluetooth setting."
• Press or the control dial to answer the incoming call when <AUTO ANSWER> is deactivated.
• Press ▲/▼ to adjust the microphone volume (01 – 03) during a phone call conversation. See the following to preset the microphone volume.
• Press ⏮/⏭ to turn on/off the Noise Reduction and Echo Cancelation mode. (See the following.)

To end the call an incoming call, press and hold or the control dial.

Switching conversation media (the unit/mobile phone)

Press the control dial during a phone call conversation, then continue your conversation using the other media.
• Operations may be different according to the connected Bluetooth device.

Switching the connected mobile phone

You can switch the current connected mobile phone to the last connected mobile phone.

[Hold]

and "CONNECTING" flashes on the display. When the last connected phone is being reconnected again, "CONNECTED" and "[Device Name]" appear alternately on the display. Now you can use the last connected mobile phone with the unit.

Arriving of a text message

When a text message comes in, the unit rings if your mobile phone is compatible with text message and <MSG NOTICE> is set to <ON> (see the following).
• You cannot read, edit, or send a message through the unit.

Using the remote controller

▲U/D▼/◄R/F►/ SOURCE	: Answers calls
▲U/D▼/◄R/F►/ SOURCE [Hold]	: Rejects calls
⏻/I/ATT	: Switches the conversation media (between the unit and mobile phone) during a phone call conversation

Using a Bluetooth audio player

Operations and display indications differ depending on their availability on the connected device.

⏻/SOURCE ⇨ Select "BT FRONT" or "BT REAR."

• If playback does not start automatically, operate the Bluetooth audio player to start playback.

MENU	Starts or resumes playback
	Mutes the sound
	Selects group/folder
⏮/⏭	Forward skips or reverse skips
⏮/⏭ [Hold]	Fast-forwards or reverses the track

Changing the display information

DISP

Current track number with the elapsed playing time → Current track number with the clock time → Album name/performer → Track title → (back to the beginning)

Selecting the playback modes

• For Bluetooth devices that support AVRCP 1.3.

1 [Hold]

2

⇨ "REPEAT" ⬌ "RANDOM"

3

REPEAT
TRACK : Repeats current track
ALL : Repeats all tracks
GROUP : Repeats all track of current group
RANDOM
ALL : Randomly plays all tracks
GROUP : Randomly plays all track of current group

To cancel repeat play or random play, select "RPT OFF" or "RND OFF."

• To return to the previous menu, press **BACK**.

Using the remote controller

◄R/F►	: Reverse skips/Forward skips
◄R/F► [Hold]	: Fast-forwards or reverses the track

Changing the Bluetooth settings

1 [MENU] [Hold]

2 ⇨ <BLUETOOTH> ⇨ <SETTINGS>

3 ⇨ Select a setting item, then repeat the procedure to change the setting accordingly.

• To return to the previous menu, press **BACK**.
• To exit from the menu, press **DISP** or **MENU**.

Setting item	Selectable setting, [Initial: Underlined]	
AUTO CNNCT	• **LAST**	: The connection is established automatically with the last connected Bluetooth device when you turn on the unit.
	• **OFF**	: The unit does not connect the Bluetooth device automatically. Connect the device manually. See "Connecting/disconnecting a registered device."
AUTO ANSWER	• **ON**	: The unit answers the incoming calls automatically.
	• **OFF**	: The unit does not answer the calls automatically. Answer the calls manually. See "Receiving a call."
MSG NOTICE	• **ON**	: The unit informs you of the arrival of a message by ringing and displaying "RCV MESSAGE."
	• **OFF**	: The unit does not inform you of the arrival of a message.
MIC LEVEL	: Adjust the volume of the microphone connected to the unit. [**LEVEL 01/02/03**]	
NR/EC MODE	• **ON**	: The unit adjusts the Noise Reduction and Echo Cancellation of the microphone connected to the unit for clearer sound.
	• **OFF**	: Cancels.
RING TONE	• **IN UNIT**	: The unit rings to alert you when a call/Text Message comes in. **CALL:** Select your preferred ring tone when a call comes in. [**TONE 1/2/3**] **MESSAGE:** Select your preferred ring tone when a Text Message comes in. [**TONE 1/2/3**]
	• **IN PHONE**	: The unit rings (using the connected phones' ring tone) to alert you when a call/Text Message comes in. (The connected mobile phone rings if it does not support this feature.)
P. BOOK SEL*1	• **PB IN PHONE**	: The unit browses the phonebook of the connected phone.
	• **PB IN UNIT**	: The unit browses the phonebook registered in the unit.
P. BOOK WAIT	: You can copy the phonebook memory of a mobile phone into the unit (via OPP). Enter the PIN code to the unit to transfer the phonebook into the unit. You can transfer a maximum of 400 numbers.	
INITIALIZE	• **YES**	: Initialize all the Bluetooth settings (including stored pairing, phonebook, and etc.).
	• **NO**	: Cancels.

*1 *Selectable only when the connected phone supports PBAP.*

Setting item	Selectable setting, [Initial: **Underlined**]	
INFORMATION	• **MY BT NAME**	: Shows the unit name.
	• **MY ADDRESS**	: Shows address of USB Bluetooth Adapter.
	• **BT SW VER**	: Shows the software version.
	• **PH CNNT DEV***2	: Shows connected phone name.
	• **AU CNNT DEV***2	: Shows connected audio device name.

*2 *Displayed only when a Bluetooth phone/audio player is connected.*

Warning messages

ERROR CNNCT	The device is registered but the connection has failed. Use <CONNECT PH/CONNECT AU> to connect the device again.
ERROR	Try the operation again. If <ERROR> appears again, check if the device supports the function you have tried.
PLEASE WAIT	The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit).
HW ERROR	Reset the unit and try the operation again. If "HW ERROR" appears again, consult your nearest JVC car audio dealers.

Bluetooth Information:
If you wish to receive more information about Bluetooth, visit the following JVC web site:
<http://www.jvc.co.jp/english/car/> (English website only).

Listening to the iPod/iPhone

You can connect the iPod/iPhone using the USB 2.0 cable (accessory of the iPod/iPhone) to the USB input terminal on the control panel or USB cable from the rear of the unit.

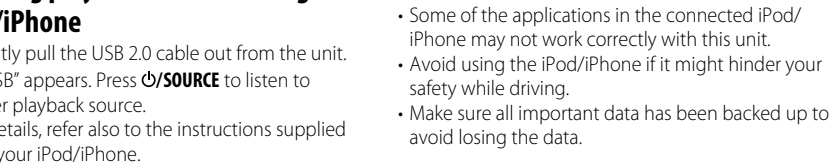
There are three control terminals:
<HEAD MODE> Control by this unit;
<IPOD MODE> Control by the connected iPod/iPhone;
<EXT MODE> The sound of any functions (musics, games, applications, etc.) running on the connected iPod/iPhone is emitted through the speakers connected to this unit.

Preparation:
Select the controlling terminal, <HEAD MODE>, <IPOD MODE>, or <EXT MODE> for iPod playback:
- Press and hold **BACK** button.
- Make the selection from <IPOD SWITCH> setting, see page 5.

The operations explained below are under <HEAD MODE>.

❶ ⏻/SOURCE ⇨ Turn on the power.

❷



Playback starts automatically.

Stopping playback and detaching the iPod/iPhone

Straightly pull the USB 2.0 cable out from the unit.
"NO USB" appears. Press **⏻/SOURCE** to listen to another playback source.
- For details, refer also to the instructions supplied with your iPod/iPhone.

Caution:
- Some of the applications in the connected iPod/iPhone may not work correctly with this unit.
- Avoid using the iPod/iPhone if it might hinder your safety while driving.
- Make sure all important data has been backed up to avoid losing the data.

The following is not applicable in <EXT MODE>.

	Starts playback or pauses/ resumes playback • While in <EXT MODE>, the sound mutes.
	Selects track or chapter
[Hold]	Fast-forwards or reverses the track

Selecting a track from the menu

The following is not applicable in <IPOD MODE> and <EXT MODE>.

1 MENU

2 ⇨ Select the desired menu.
PLAYLISTS ⟷ ARTISTS ⟷ ALBUMS ⟷ SONGS ⟷ PODCASTS ⟷ GENRES ⟷ COMPOSERS ⟷ AUDIOBOOKS ⟷ (back to the beginning)

3 ⇨ Select the desired track.
Repeat this procedure until the desired track is selected.

- If the selected menu contains many tracks, you can fast search (±10, ±100, ±1000) through the menu by turning the control dial quickly.
- To search through the menu, see the following.
- To return to the previous menu, press **BACK**.

Selecting the playback modes

The following is not applicable in <IPOD MODE> and <EXT MODE>.

1 [Hold]

2 ⇨ "REPEAT" ⟷ "RANDOM"

3
REPEAT
ONE RPT : Functions the same as "Repeat One" of the iPod
ALL RPT : Functions the same as "Repeat All" of the iPod

RANDOM
SONG RND : Functions the same as "Shuffle Songs" of the iPod
ALBUM RND : Functions the same as "Shuffle Albums" of the iPod

- To cancel repeat play or random play, select "RPT OFF" or "RND OFF."
- "ALBUM RND" is not available for some iPod/iPhone.
- To return to the previous menu, press **BACK**.

Changing the display information

DISP

Album name/performer ➞ Track title ➞ Current track number with the elapsed playing time ➞ Current track number with the clock time ➞ (back to the beginning)
In <EXT MODE>: **EXT MODE ⟷ EXT MODE with clock time**

Using the remote controller

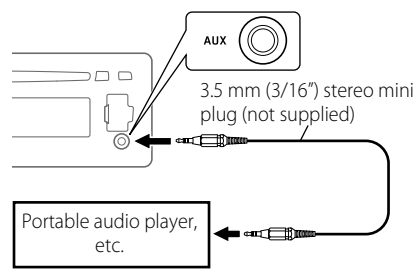
The following is not applicable in <EXT MODE>.

◄R/F►	: Selects track or chapter
◄R/F► [Hold]	: Fast-forwards or reverses the track

Notice:
When operating an iPod, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site: <http://www.jvc.co.jp/english/car/> (English website only).

Listening to the external components

You can connect an external component to the AUX (auxiliary) input jack on the control panel.



Preparation:
Make sure <AUX ON> is selected for the <SRC SELECT> ➞ <AUX IN> setting on page 5.

1 ⏻/SOURCE
⇨ "AUX IN"

2 Turn on the connected component and start playing the source.

Searching through list menu/phone book

You can use the search menu (A to Z, 0 to 9, and OTHERS) to scroll through the list menu/phone book.
- "OTHERS" appears (except when the source is IPOD-FRONT/IPOD-REAR) if the 1st character is not A to Z or 0 to 9, such as #, —, !, and etc.

Applicable only when:

Source/Menu	Condition
CD	MP3/WMA disc
USB FRONT/ USB REAR	MP3/WMA/WAV folder/track
Call Menu	Bluetooth mobile phone: "Call Menu" ⇨ PHONEBOOK (see "Making a call" on page 3)
IPOD-FRONT/ IPOD-REAR	<HEAD MODE> is selected

1 MENU
⇨ Enter list menu.
- To show the phonebook search menu, skip this step.

2 ⇨ Show the search menu.
The first character of the current folder/file name or the first name in your phonebook appears.

3 ⇨ Select your desired character.
The track list or name list of the selected character appears.

4 ⇨ Select your desired item.

- To return to the previous menu, press **BACK**.

- Only the existing characters will be shown on the search menu.
- Press and hold ▲/▼ to continuously change the character of the search menu.
- If your device contains many tracks, searching take some time.
- When the source is "IPOD-FRONT/IPOD-REAR," searching may not work on some of the layers of the selected menu.

Selecting a preset sound mode

You can select a preset sound mode suitable for the music genre.

EQ BASS-TRE **FLAT ➞ NATURAL ➞ DYNAMIC ➞ VOCAL BOOST ➞ BASS BOOST ➞ USER ➞** (back to the beginning)

While listening, you can adjust the tone level of the selected sound mode.

1 EQ BASS-TRE [Hold]

2 Adjust the level (–06 to +06) of the selected tone (BASS / MID / TRE).
The sound mode is automatically stored and changed to "USER."

Tone	Sound element		
	Frequency	Level	Q
BASS	60 Hz, 80 Hz, 100 Hz, 200 Hz	–06 to +06	Q1.0, Q1.25, Q1.5, Q2.0
MIDDLE	0.5 kHz, 1.0 kHz, 1.5 kHz, 2.5 kHz	–06 to +06	Q0.75, Q1.0, Q1.25
TREBLE	10.0 kHz, 12.5 kHz, 15.0 kHz, 17.5 kHz	–06 to +06	Q FIX

Storing your own sound mode

You can store your own adjustments in memory.

1 MENU [Hold]

2 ⇨ <PRO EQ> ⇨ <BASS> / <MIDDLE> / <TREBLE>

3 Adjust the sound elements of the selected tone (see table on the left).

4 Repeat steps **2** and **3** to adjust other tones.
The adjustments made will be stored automatically in "USER."

The current sound mode changes to "USER" automatically.

Menu operations

1 MENU [Hold] 2 3 Repeat step **2** if necessary.
- To return to the previous menu, press **BACK**.
- To exit from the menu, press **DISP** or **MENU**.

Category	Menu item	Selectable setting, [Initial: **Underlined**]	
DEMO		• **DEMO ON**	: Display demonstration will be activated automatically if no operation is done for about 20 seconds.
		• **DEMO OFF**	: Cancels.
CLOCK	**CLOCK SET**	[**1:00**]	: Adjust the hour, then the minute.

Category	Menu item	Selectable setting, [Initial: **Underlined**]	
PRO EQ	**BASS**	—	: For settings, see "Storing your own sound mode" on page 4.
	MIDDLE		
	TREBLE		
DISPLAY	**DIMMER**	• **DIMMER ON**	: Dims the display and button illumination.
		• **DIMMER OFF**	: Cancels.
	SCROLL *1	• **SCROLL ONCE**	: Scrolls the displayed information once.
		• **SCROLL AUTO**	: Repeats scrolling (at 5-second intervals).
		• **SCROLL OFF**	: Cancels.
		Pressing **DISP** for more than one second can scroll the display regardless of the setting.	
	TAG DISPLAY	• **TAG ON**	: Shows the Tag information while playing MP3/WMA/WAV tracks.
		• **TAG OFF**	: Cancels.
BLUETOOTH *2	: For Bluetooth operations and settings, see pages 2 – 4.		
TUNER	**SSM** *3	• **SSM 01 – 06** • **SSM 07 – 12** • **SSM 13 – 18**	: For settings, see "Automatic presetting (FM)—SSM (Strong-station Sequential Memory)" on page 2.
	AREA	• **AREA US**	: When using in North/Central/South America. AM/FM intervals are set to 10 kHz/200 kHz.
		• **AREA EU**	: When using in any other areas. AM/FM intervals are set to 9 kHz/50 kHz (100 kHz during auto search).
		• **AREA SA**	: When using in South American countries where FM interval is 100 kHz. AM interval is set to 10 kHz.
	MONO *3	• **MONO ON**	: Activate monaural mode to improve FM reception, but stereo effect will be lost.
		• **MONO OFF**	: Restore the stereo effect.
	IF BAND	• **AUTO**	: Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.)
		• **WIDE**	: Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
AUDIO	**FADER** *4	**R06 – F06** [**00**]	: Adjust the front and rear speaker output balance.
	BALANCE *5	**L06 – R06** [**00**]	: Adjust the left and right speaker output balance.
	LOUD	• **LOUD ON**	: Boost low and high frequencies to produce a well-balanced sound at a low volume level.
		• **LOUD OFF**	: Cancels.
	VOL ADJUST	**VOL ADJ –05** — **VOL ADJ +05** [**VOL ADJ 00**]	: Preset the volume adjustment level of each source (except FM), compared to the FM volume level. The volume level will automatically increase or decrease when you change the source. • Before making an adjustment, select the source you want to adjust. • "VOL ADJ FIX" appears on the display if "FM" is selected as the source.
	L/O MODE	• **SUB.W**	: Select if the REAR LINE OUT terminals are used for connecting a subwoofer (through an external amplifier).
		• **REAR**	: Select if the REAR LINE OUT terminals are used for connecting the speakers (through an external amplifier).
	SUB.W FREQ *6	• **LOW**	: Frequencies lower than 72 Hz are sent to the subwoofer.
		• **MID**	: Frequencies lower than 111 Hz are sent to the subwoofer.
		• **HIGH**	: Frequencies lower than 157 Hz are sent to the subwoofer.
	SUB.W LEVEL *6	**SUB.W 00 — SUB.W 08**	: Adjust the subwoofer output level. [**SUB.W 04**]
	BEEP	• **BEEP ON**	: Activates the keypress tone.
		• **BEEP OFF**	: Deactivates the keypress tone.
	AMP GAIN *7	• **LOW POWER**	: VOLUME 00 — VOLUME 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speakers.)
		• **HIGH POWER**	: VOLUME 00 — VOLUME 50
SRC SELECT	**AM** *8	• **AM ON**	: Enable "AM" in source selection.
		• **AM OFF**	: Disable "AM" in source selection.
	AUX IN *9	• **AUX ON**	: Enable "AUX IN" in source selection.
		• **AUX OFF**	: Disable "AUX IN" in source selection.
	BT AUDIO *10	• **BT AU ON**	: Enable "BT FRONT/BT REAR" in source selection.
		• **BT AU OFF**	: Disable "BT FRONT/BT REAR" in source selection.
USB *11	**DRIVECHANGE**	—	: Select to change the drive when a multiple drives device is connected to the USB input terminal (FRONT/REAR).
AUDIOBOOKS *12		• **NORMAL** • **FASTER** • **SLOWER**	: You can select the playback speed of the Audiobooks sound file in your iPod/iPhone. • Initial selected item depends on your iPod/iPhone setting.
IPOD SWITCH *12		• **HEAD MODE**	: Controls iPod playback through the unit.
		• **IPOD MODE**	: Controls iPod playback through the iPod/iPhone.
		• **EXT MODE** *13	: The sound of any functions (musics, games, applications, etc.) running on the connected iPod/iPhone is emitted through the speakers connected to this unit.

*1 *Some characters or symbols will not be shown correctly (or will be blanked) on the display.*

*2 *Displayed only when the USB Bluetooth Adapter (KS-UBT1) is connected.*

*3 *Displayed only when the source is "FM."*

*4 *If you are using a two-speaker system, set the fader level to "00."*

*5 *This adjustment will not affect the subwoofer output.*

*6 *Displayed only when <L/O MODE> is set to <SUB.W>.*

*7 *The volume level automatically changes to "VOLUME 30" if you change to <LOW POWER> with the volume level is set higher than "VOLUME 30."*

*8 *Displayed only when any source other than "AM" is selected.*

*9 *Displayed only when any source other than "AUX IN" is selected.*

*10 *Displayed only when any source other than "BT FRONT/BT REAR" is selected.*

*11 *Displayed only when the source is "USB FRONT/USB REAR."*

*12 *Displayed only when the source is "IPOD-FRONT/IPOD-REAR."*

*13 *While in <EXT MODE>, the display always show "EXT MODE."*

More about this unit

General

- If you turn off the power while listening to a track, playback will start from where it had been stopped previously next time you turn on the power.
- If no operation is done for about 60 seconds after pressing **MENU** button, the operation will be canceled.

Tuner operations

- During SSM search...
  - –All previously stored stations are erased and the stations are stored anew.
  - –When SSM is over, the station stored in the lowest preset number will be automatically tuned in.

Disc/USB operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/ CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA formats.
- If you change the source while listening to a disc, playback stops. Next time you select "CD" as the playback source, playback will start from where it had been stopped previously.
- If the ejected disc is not removed within 15 seconds, it is automatically inserted into the loading slot again to protect it from dust. Playback starts automatically.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not be played back on this unit:
  - –Discs are dirty or scratched.
  - –Moisture condensation has occurred on the lens inside the unit.
  - –The pickup lens inside the unit is dirty.
  - –The files on the CD-R/CD-RW are written using the "Packet Write" method.
  - –There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.

Playing an MP3/WMA disc

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and show WMA Tag.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
  - –Bit rate of MP3/WMA: 5 kbps — 320 kbps
  - –Sampling frequency of MP3:
    32 kHz, 44.1 kHz, 48 kHz (for MPEG-1)
    16 kHz, 22.05 kHz, 24 kHz (for MPEG-2)
  - –Sampling frequency of WMA: 8 kHz — 48 kHz
- The maximum number of characters for file/ folder names is 25 characters (including <.mp3>, <.wma>); 128 characters for MP3/WMA Tag.
- This unit can recognize a total of 20 000 files and 2 000 folders (999 files per folder). However, the display can show until 999 folders/files.
- This unit can play back files recorded in VBR (variable bit rate).
  Files recorded in VBR have a discrepancy in the elapsed time display, and do not show the actual elapsed time. In particular, this difference becomes noticeable after performing the search function.
- This unit cannot play back the following files:
  - –MP3 files: encoded in MP3i and MP3 PRO format; an inappropriate format; layer 1/2.
  - –WMA files: encoded in lossless, professional, and voice format; not based upon Windows Media® Audio; copy-protected with DRM.
  - –Files which have data such as AIFF, ATRAC3, etc.
- The search function works but search speed is not constant.

Playing MP3/WMA/WAV tracks from a USB device

- While playing from a USB device, the playback order may differ from other players.
- This unit may be unable to play back some USB devices or some files due to their characteristics or recording conditions.
- This unit is compatible with the USB Full-Speed.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- This unit may not work properly with some USB hub or USB card reader.
- If the connected USB device does not have the correct files, "NO FILE" appears.
- This unit can show Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 and WMA/WAV Tag.
- This unit can play back MP3/WMA/WAV files meeting the conditions below:
  MP3:
  - –Bit rate: 32 kbps — 320 kbps (MPEG-1)
    8 kbps — 160 kbps (MPEG-2)
  - –Sampling frequency:
    32 kHz, 44.1 kHz, 48 kHz (for MPEG-1)
    16 kHz, 22.05 kHz, 24 kHz (for MPEG-2)

  WMA:
  - –Bit rate: 5 kbps — 320 kbps
  - –Sampling frequency: 8 kHz — 48 kHz
  - –Channel: 1 ch/2 ch

  WAV:
  - –Bit rate: Linear PCM at 705 kbps and 1 411 kbps
  - –Sampling frequency: 44.1 kHz
  - –Channel: 1 ch/2 ch
- This unit can play back MP3 files recorded in VBR (variable bit rate).
- The maximum number of characters for folder and file names is 25 characters (including <.mp3>, <.wma>, <.wav>); 128 characters for MP3/WMA/ WAV Tag.
- This unit can recognize a total of 20 000 files and 2 000 folders (999 files per folder). However, the display can shows until 999 folders/files.
- The unit cannot recognize a USB mass storage class device whose rating is other than 5 V and exceeds 500 mA.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with 2 or more partitions.
- When connecting with a USB cable, use the USB 2.0 cable.
- This unit may not recognized some of the USB device connected through a USB card reader.
- This unit may not play back files in a USB device properly when using a USB extension cord.
- This unit cannot assure proper functions or supply power to all types of USB devices

Bluetooth operations

- While driving, do not perform complicated operation such as dialing the numbers, using phonebook, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not be connected to this unit depending on the Bluetooth version of the device.
- If you connect a different USB Bluetooth Adapter, all the registered devices and information will be cleared.
- This unit may not work for some Bluetooth devices.
- Connecting condition may vary depending on the circumstances around you.
- If you turn off the unit, detach the control panel, or unplug the USB Bluetooth Adapter during a phone call conversation, the Bluetooth connection is disconnected. Continue the conversation using your mobile phone.
- When the unit is turned off, the device is disconnected.

iPod/iPhone operations

- You can control the following types of iPods/ iPhone:
  iPod with video (5th Generation)*, iPod classic, iPod nano (1st Generation)*, iPod nano (2nd, 3rd, 4th, 5th Generation), iPod touch, iPod touch (2nd Generation), iPhone/iPhone 3G/iPhone 3GS

* *<IPOD MODE> and <EXT MODE> are not available.*

- It is not possible to browse video files on the "Videos" menu in <HEAD MODE>.
- If the iPod does not play correctly, please update your iPod software to the latest version. For details about updating your iPod, visit <http://www.apple.com>.
- When you turn on this unit, the iPod is charged through this unit.
- iPod shuffle cannot be used with this unit.
- The song order displayed on the selection menu of this unit may differ from that of the iPod.
- The text information may not be displayed correctly (eg. accented letters)
- This unit can display up to 128 characters (ASCII code).

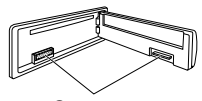
Troubleshooting

	Symptom	Remedy/Cause
General	Sound cannot be heard from the speakers.	• Adjust the volume to the optimum level. • Make sure the unit is not muted/paused. (See page 1.) • Check the cords and connections.
	"PROTECT" appears and no operations can be done.	Check to be sure the terminals of the speaker leads are covered with insulating tape properly, then reset the unit. (See page 1.) If "PROTECT" does not disappear, consult your JVC car audio dealer or a company supplying kits.
	This unit does not work at all.	Reset the unit. (See page 1.)
	"AM," "AUX IN," or "BT AUDIO" cannot be selected.	Check the <SRC SELECT> setting. (See "Menu operations" on page 5.)
FM/AM	SSM automatic presetting does not work.	Store stations manually.
	Static noise while listening to the radio.	Connect the antenna firmly.
Disc playback	Disc cannot be played back.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	Disc can be neither played back nor ejected.	• Unlock the disc. (See page 2.) • Eject the disc forcibly. (See page 1.)
	Disc sound is sometimes interrupted.	• Stop playback while driving on rough roads. • Change the disc. • Check the cords and connections.
	"NO DISC" appears.	Insert a playable disc into the loading slot.
	"PLEASE" and "EJECT" appear alternately.	Press ⏏, then insert a disc correctly.
MP3/WMA playback	Disc cannot be played back.	• Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. • Add the extension code <.mp3> or <.wma> to the file names.
	Noise is generated.	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	A longer readout time is required ("READING" keeps flashing on the display).	Do not use too many hierarchical levels and folders.
	Tracks are not played back in the order you have intended.	The playback order is determined by the file name. Folder with numbers on the initial as their names are sorted in numerical order. However, folder with no numbers on the initial of their names are sorted according to the file system of the CD.
	"NOT SUPPORT" appears and track skips.	Skip to the next track encoded in an appropriate format or to the next non-copy-protected WMA track.
	The elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.
	The correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols. (See page 2.)
USB device playback	Noise is generated.	The track played back is not an MP3/WMA/WAV track. Skip to another file. (Do not add the extension code <.mp3>, <.wma>, or <.wav> to non-MP3/WMA/WAV tracks.)
	"READING" keeps flashing on the display.	• Readout time varies depending on the USB device. • Do not use too many hierarchy or folders. • Turn off the power then on again. • Reattach the USB device again.
	"NO FILE" appears.	Check whether the selected folder, the connected USB device, or the iPod/iPhone contains a playable file.
	"NOT SUPPORT" appears and track skips.	Check whether the track is a playable file format.
	Tracks/folders are not played back in the order you have intended.	The playback order is determined by the file name. Folders with numbers on the initial of their names are sorted in numerical order. However, folders with no numbers on the initial of their names are sorted according to the file system of the USB device.
	• "READ FAILED" or "NO USB" appears. • The unit cannot detect the USB device.	• Check whether the connected USB device or the iPod/iPhone is compatible with this unit. • The USB device is not connected properly. Connect the USB device again.
	While playing a track, sound is sometimes interrupted.	The tracks have not been properly copied into the USB device. Copy tracks again into the USB device, and try again.
	Correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols. (See page 2.)
Bluetooth	The unit does not detect the Bluetooth device.	• Search from the Bluetooth device again. • Reset the unit, then search from the Bluetooth device again.
	The unit does not make pairing with the Bluetooth device.	Enter the same PIN code for both the unit and target device.
	Echo or noise occurs.	Adjust the microphone unit's position.
	Phone sound quality is poor.	• Reduce the distance between the unit and the Bluetooth mobile phone. • Move the car to a place where you can get a better signal reception.
	The unit does not response when you tried to copy the phonebook to the unit.	You may have tried to copy the same entries (as stored) to the unit. Press **DISP** or **BACK** to exit.
	The sound is interrupted or skipped during playback of a Bluetooth audio player.	• Reduce the distance between the unit and the Bluetooth audio player. • Disconnect the device connected for Bluetooth Phone. • Turn off, then turn on the unit. • Connect the player again, when the sound is not yet restored.
	The connected audio player cannot be controlled.	• Check whether the connected audio player supports AVRCP (Audio/Video Remote Control Profile). (Operations depend on the connected audio player.) • Disconnect and connect the Bluetooth player again.
	"VOICE DIAL" is not successful.	• Use "VOICE DIAL" calling method in a more quiet environment. • Reduce the distance from the microphone when you speak the name. • Change the <NR/EC MODE> to <OFF> (see page 3), then try again.
iPod/iPhone	The iPod/iPhone does not turn on or does not work.	• Check the connecting cable and its connection. • Update the firmware version of the iPod/iPhone. • Charge the battery of the iPod/iPhone. • Reset the iPod/iPhone. • Check whether <IPOD SWITCH> setting is appropriate (see page 5).
	The sound is distorted.	Deactivate the equalizer on the iPod/iPhone.
	A lot of noise is generated.	Turn off (uncheck) the "VoiceOver" feature of the iPod. For details, visit <http://www.apple.com>.
	Playback stops.	The headphones are disconnected during playback. Restart the playback operation.
	"NO FILE" appears.	No tracks are stored. Import tracks to the iPod/iPhone.
	"RESTRICTED" appears.	Check whether the connected iPod/iPhone is compatible with this unit (see page 5).

Maintenance

How to clean the connectors

Wipe the connectors with a cotton swab or cloth moistened with alcohol.



Connectors

Moisture condensation

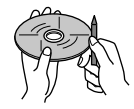
Moisture may condense on the lens inside the unit. Eject the disc and leave the unit turned on for a few hours until the moisture has evaporated.

To keep discs clean

Wipe in a straight line from center of disc to edge. Do not use liquid cleaners, thinners, or benzene.

To play new discs

Remove any rough areas from the inner and outer edges of the disc.



Do not use the following discs:

- Single CD—8 cm (3-3/16") disc
- Warped disc
- Disc with sticker and sticker residue
- Disc with stick-on label
- Unusual shape disc
- C-thru Disc (semi-transparent disc)
- Disc with transparent or semi-transparent parts on its recording area

Specifications

AUDIO AMPLIFIER SECTION

Power Output:
20 W RMS × 4 Channels at 4 Ω and ≤ 1% THD+N
Signal-to-Noise Ratio:
80 dBA (reference: 1 W into 4 Ω)

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:
Bass: ±12 dB (60 Hz, 80 Hz, 100 Hz, 200 Hz) ; Q1.0, Q1.25, Q1.5, Q2.0
Middle: ±12 dB (0.5 kHz, 1.0 kHz, 1.5 kHz, 2.5 kHz) ; Q0.75, Q1.0, Q1.25
Treble: ±12 dB (10.0 kHz, 12.5 kHz, 15.0 kHz, 17.5 kHz) ; Q (Fixed)
Frequency Response: 40 Hz to 20 000 Hz
Line-Out Level/ Subwoofer-Out Level/Impedance: 2.5 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ
Other Terminal: USB input terminal, USB cable, AUX (auxiliary) input jack, Antenna input

TUNER SECTION

Frequency Range:
FM: 87.5 MHz to 107.9 MHz (with channel interval set to 100 kHz or 200 kHz)
87.5 MHz to 108.0 MHz (with channel interval set to 50 kHz)
AM: 530 kHz to 1 710 kHz (with channel interval set to 10 kHz)
531 kHz to 1 602 kHz (with channel interval set to 9 kHz)

[FM Tuner]
Usable Sensitivity: 9.3 dBf (0.8 µV/75 Ω)
50 dB Quieting Sensitivity: 16.3 dBf (1.8 µV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 40 dB

[AM Tuner]
Sensitivity/Selectivity: 20 µV/40 dB

CD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20 000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit
MP3 Decoding Format: MPEG1/2 Audio Layer 3
Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format:
Max. Bit Rate: 320 kbps

USB SECTION

USB Standard: USB 1.1, USB 2.0
Data Transfer Rate (Full Speed): Max. 12 Mbps
Compatible Device: Mass storage class (except HDD)
Compatible File System: FAT 32/16/12
Playable Audio Format: MP3/WMA/WAV
Max. Current: DC 5 V ⎓ 500 mA

BLUETOOTH SECTION

Version: Bluetooth 2.0 certified
Power Class: Class 2 Radio (possible distance 10 m)
Service Area: 10 m
Profile: HFP 1.5, OPP 1.1, A2DP 1.2, AVRCP 1.3, PBAP 1.0

GENERAL

Power Requirement:
Operating Voltage: DC 14.4 V (11 V to 16 V allowance)
Grounding System: Negative ground
Allowable Operating Temperature: 0°C to +40°C (32°F to 104°F)
Dimensions (W × H × D):
Installation Size (approx.): 182 mm × 52 mm × 160 mm (7-3/16" × 2-1/16" × 6-5/16")
Panel Size (approx.): 188 mm × 58 mm × 6 mm (7-7/16" × 2-5/16" × 1/4")
Mass (approx.): 1.4 kg (3.1 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.

JVC bears no responsibility for any loss of data in an iPod/iPhone and/or USB mass storage class device while using this System.

Having TROUBLE with operation?
Please reset your unit
Still having trouble??
Call 1-800-252-5722 (USA ONLY)
http://www.jvc.com